

BOBBY JINDAL
GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20090001
Agency Interest No. 2518

Damon Denson
Plant Manager
Evonik Degussa Corporation
7095 Hwy 83 South
Franklin, LA 70538

RE: Part 70 Operating Permit
Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Ivanhoe, St. Mary Parish, Louisiana

Dear Mr. Denson:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010.

Permit No.: 2660-00013-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:bsc
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)

EVONIK DEGUSSA CORPORATION
IVANHOE CARBON BLACK PLANT
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL/MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 Air Operating Permit Renewal/Modification for Evonik Degussa Corporation, 7095 Hwy 83 South, Franklin, LA 70538 for the Ivanhoe Carbon Black Plant. **The facility is located at 7095 Hwy 83 South, Ivanhoe, St. Mary Parish.**

The Ivanhoe Carbon Black Plant is an existing carbon black production facility. The Evonik Degussa Corporation requested a Part 70 operating permit renewal/modification for the Ivanhoe Carbon Black Plant.

Upon review, the facility has determined that the previously calculated concentration of hydrogen sulfide in the tailgas from its furnaces was too high, and has proposed a lower hydrogen sulfide concentration, resulting in facility-wide permitted total emissions of only 30.12 tons per year. Also, the facility-wide permitted total emissions of sulfur dioxide have been revised to 11,436.68 tons per year due to a typographical error in the previous permit..

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	52.22	52.22	-
SO ₂	11,439.07	11,436.68	- 2.39
NO _x	1,360.47	1,360.47	-
CO	1,157.59	1,157.59	-
VOC	126.78	126.78	-
H ₂ S	31.70	30.12	- 1.58

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, April 29, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed permit, statement of basis, and associated documents are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at St. Mary Parish Library, West End Branch, 100 Charenton Rd, Baldwin, LA 70514.

Inquiries or requests for additional information regarding this permit action should be directed to Shane Clary, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3069.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 2518, Permit Number 2660-00013-V2, and Activity Number PER20090001.

Scheduled Publication Date: Friday, March 26, 2010

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Agency Interest No.: 2518
Evonik Degussa Corp
Ivanhoe, St. Mary Parish, Louisiana

I. Background

Evonik Degussa Corp – Ivanhoe Carbon Black Plant was first permitted in April of 1975 under State Permit 458. A modification was issued July 27, 1991, under Permit No. 2660-00013-01. On November 1, 1995, Permit No. 2660-00013-02 and PSD-LA-578 were granted. Currently, the plant is operating under Permit No. 2660-00013-V1, issued June 8, 2006, and PSD permit PSD-LA-585(M-1) issued December 9, 2004.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Evonik Degussa Corp on June 1, 2009, requesting a Part 70 operating permit renewal for the Ivanhoe Carbon Black Plant.

III. Description

The Ivanhoe Carbon Black Plant, located in St. Mary Parish, produces carbon black using the furnace process. The facility consists of seven reactors, eight bag filter units, eight cyclones, four dryers, four flares, and five storage tanks.

Carbon black, a colloid composed essentially of carbon, is manufactured by the thermal decomposition (cracking) of hydrocarbons. Air for combustion is supplied by a blower, which moves the air through an inline air preheater prior to entering the combustion chamber of the reactor. The feedstock is pumped from the feedstock storage tanks through an oil preheater and into the reactor.

Small amounts of feedstock additive (potassium ion solution) may be injected for process control. Upon completion of the cracking reaction, the carbon black laden process gas stream is quenched and cooled by direct injection of water.

Once the carbon black laden gas (smoke stream) is reduced to a temperature of not more than 500 °F, the smoke stream is passed directly into a multi-compartment, multi-bag filter system (primary bag filter). After depositing 99.7% to 99.9% of the solids in the filter, the effluent gas (tail-gas) is transferred in varying amounts to the dryers, for use as fuel, and/or the flares. Both the dryers and the flares destroy incompletely oxidized compounds with at least 98% efficiency and combust carbon black particulate matter with 95% efficiency. The primary bag filters and the flares are currently considered control technology for the carbon black units.

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The solids collected by the primary bag filter are pneumatically conveyed to a cyclone where partial separation of the carbon black and carrier gas takes place. The separated carbon black is re-suspended in the pneumatic conveyor stream and conveyed to a second cyclone where the separated carbon black falls into a surge bin. The carrier gas is then recycled to the primary bag filter.

The carbon black in the surge bin passes to a pelletizer where water is added to promote the formation of pellets. The pellets then pass to a rotary drum dryer, which removes the water added in the pelletizer. Air is drawn into the rotary drum by the dryer exhaust blower to remove any carbon black particulate. To prevent particulate pollution, the air-carbon black dust stream is passed through the dryer exhaust bag filter where greater than 99% of the particulates are removed. The product is then conveyed to product storage tanks for bulk loading or packaging at a bagging station. A utility vacuum system controls the particulate emissions associated with product storage and handling.

Upon review, the facility has determined that the previously calculated concentration of hydrogen sulfide in the tailgas from its furnaces was too high, and has proposed a lower hydrogen sulfide concentration, resulting in facility-wide permitted total emissions of only 30.12 tons per year. Also, the facility-wide permitted total emissions of sulfur dioxide have been revised to 11,436.68 tons per year due to a typographical error in the previous permit.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	52.22	52.22	-
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NO _x	1,360.47	1,360.47	-
CO	1,157.59	1,157.59	-
VOC	126.78	126.78	-

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (Tons/yr):

Pollutant	Before	After	Change
Benzene	0.31	0.31	-
Carbonyl sulfide	4.66	4.66	-
Carbon disulfide	29.52	29.52	-
Hydrogen sulfide	31.70	30.12	- 1.58
Hydrogen cyanide	7.88	7.88	-

**AIR PERMIT BRIEFING SHEET
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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Evonik Degussa Corp - Ivanhoe Carbon Black Plant
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Evonik Degussa Corp
Ivanhoe, St. Mary Parish, Louisiana**

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Hydrogen sulfide, hydrogen cyanide, carbonyl sulfide, carbon disulfide, and benzene exceed the major source threshold and their respective minimum emission rates (MER); therefore, the Ivanhoe Carbon Black Plant is subject to Maximum Achievable Control Technology (MACT).

The facility shall comply with 40 CFR 63, Subpart YY, Generic MACT.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

<u>Description</u>	<u>Frequency</u>	<u>Emissions</u>				
		<u>PM₁₀</u>	<u>SO₂</u>	<u>NO_x</u>	<u>CO</u>	<u>VOC</u>
Loop Purging	14 /day	4.47	-	-	-	-
South/East Flood Pump	23 hr/yr	0.001	0.001	0.011	0.454	0.223
South/West Flood Pump	23 hr/yr	0.003	0.003	0.041	0.009	0.003
Sampling	24 /day	0.37	-	-	-	-

IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Capacity</u>	<u>Citation</u>
51	Diesel Fuel Storage	500 gals	LAC33:III.501.B.5.A.3
56	Laboratory Vacuum System	N/A	LAC33:III.501.B.5.A.6
-	Supplemental Boiler	50 hp	LAC33:III.501.B.5.A.1
-	Feedstock Additive Tank (unit 2/3)	5,235 gals	LAC33:III.501.B.5.A.3
-	Feedstock Additive Tank (unit 4/5)	1,000 gals	LAC33:III.501.B.5.A.3
-	Hydraulic Fluid and Lubricating Oil Drums	55 gals	LAC33:III.501.B.5.A.3
-	Diesel Tank	100 gals	LAC33:III.501.B.5.A.3
-	Gasoline Drum-Serves East Flood Pump	55 gals	LAC33:III.501.B.5.A.3
-	Two (2) Kerosene Tanks- Additive	500 gals	LAC33:III.501.B.5.A.3
-	Mineral Spirits Tank-Parts Cleaning	100 gals	LAC33:III.501.B.5.A.3

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-	Diesel Tank-Serves West Flood Pump	250 gals	LAC33:III.501.B.5.A.3
-	Temulose/Molasses Tank	6,250 gals	LAC33:III.501.B.5.A.4
-	Molasses Tank-Pelletizing Additive	9,000 gals	LAC33:III.501.B.5.A.4
-	Potassium Acetate Tank 4/5	1,000 gals	LAC33:III.501.B.5.B.40
-	Potassium Acetate Tank 2/3	5,000 gals	LAC33:III.501.B.5.B.40
-	Two (2) Sodium Hypochlorite Tanks	200 gals	LAC33:III.501.B.5.A.4

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Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Agency Interest No.: 2518

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Ivanhoe, St. Mary Parish, Louisiana

Table 1. Applicable Louisiana and Federal Air Quality Requirements

		LAC 33:III.Chapter															
ID No.:	Description	5 ^A	9	11	13	15	2103	2107*	2111	2113	2115	2121	2123	2131	51*	56	59
	Plant Wide	1	1	1	1	1				1						1	1
GRP3	Emission Cap(NG only)	1				1											
GRP4	Emission Cap(NG and FO)	1				1											
EQT1	9 Unit 2 Flare			1		1										1	
EQT3	12 Unit 3 Flare			1		1										1	
EQT5	38 Unit 4 Flare			1		1										1	
EQT6	39 Unit 5 Flare			1		1										1	
EQT24	67 Unit 2/3 Dryer	1		1	1	1										1	
EQT12	45 Unit 4/5 Dryer	1		1	1	1										1	
EQT2	10 Unit 2 Dryer Exhaust Bag Filter	1															
EQT7	40 Unit 4 Dryer Exhaust Bag Filter	1															
EQT8	41 Unit 5 Dryer Exhaust Bag Filter	1															
EQT10	43 Unit 3 Dryer Exhaust Bag Filter	1															
EQT18	61 Unit 2 Loop Filter Vent	1															
EQT19	62 Unit 3 Loop Filter Vent	1															
EQT20	63 Unit 4 Loop Filter Vent	1															

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5 ^A	9	11	13	15	2103	2107*	2111	2113	2115	2121	2123	2131	51*	56	59	
EQT21	64 Unit 5 Loop Filter Vent	1																
EQT26	15 Unit 3 Utility Vacuum	1																
EQT4	19 Unit 4/5 Utility Vacuum System	1																
EQT9	42 Cambelt Utility Vacuum System	1																
EQT11	44 No. 1 North Utility Vacuum	1																
EQT22	65 Unit 2/3 Hopper Truck Loading Vacuum	1																
EQT23	66 Unit 4/5 Hopper Truck Loading Vacuum	1																
EQT13	47 Tank #4						3											
EQT14	48 Tank #2						3											
EQT15	49 Tank #1						3											
EQT16	52 Gasoline Tank-Plant						1						2					
EQT17	53 Gasoline Tank-Maintenance						1						2					
FUG1	59 Fugitives			1										3				
EQT25	68 Tank #3						3											

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* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank -- The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements																
ID No.:	Description	40 CFR			40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR		
		52	K	Ka	Kb	A	M	FF	A	SS	YY	64	68	82		
	Plant Wide	1				1	1	1	1					1	1	1
GRP3	Emission Cap (NG only)															
GRP4	Emission Cap (NG and FO)															
EQT1	9 Unit 2 Flare											1		1		
EQT3	12 Unit 3 Flare											1		1		
EQT5	38 Unit 4 Flare											1		1		
EQT6	39 Unit 5 Flare											1		1		
EQT24	67 Unit 2/3 Dryer											1		1		
EQT12	45 Unit 4/5 Dryer											1		1		
EQT2	10 Unit 2 Dryer Exhaust Bag Filter															
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EQT10	43 Unit 3 Dryer Exhaust Bag Filter															
EQT18	61 Unit 2 Loop Filter Vent															
EQT19	62 Unit 3 Loop Filter Vent															
EQT20	63 Unit 4 Loop Filter Vent															
EQT21	64 Unit 5 Loop Filter Vent															
EQT26	15 Unit 3 Utility Vacuum															

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EQT4	19 Unit 4/5 Utility Vacuum System														
EQT9	42 Cambelt Utility Vacuum System														
EQT11	44 No. 1 North Utility Vacuum														
EQT22	65 Unit 2/3 Hopper Truck Loading Vacuum														
EQT23	66 Unit 4/5 Hopper Truck Loading Vacuum														
EQT13	47 Tank No. 4				2										
EQT14	48 Tank No. 2				2										
EQT15	49 Tank No. 1				2										
EQT16	52 Gasoline Tank - Plant														
EQT17	53 Gasoline Tank - Maintenance														
FUG1	59 Fugitives														
EQT25	68 Tank No. 3				2										

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- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Plant Wide	Control of Emissions of Carbon Monoxide [LAC 33:III.1701]	Does Not Apply. Carbon monoxide emissions are not from ferrous metal or petroleum refinery sources.
	Control of Emissions of Nitrogen Oxides [LAC 33:III.2201]	Does Not Apply. The facility is not located in the Baton Rouge Nonattainment Area and the Region of Influence.
9,12,38,39,45,67	Compliance Assurance Monitoring [40 CFR 64]	Does Not Apply. Emissions are subject to emission limitations or standards proposed by the Administrator after November 15, 1990, pursuant to Section 111 and 112 of the Clean Air Act. 40 CFR 64.2(b)(1)(i)
	Emissions from Fuel Burning Equipment [LAC 33:III.1313]	Does Not Apply. This source is not used for the purpose of producing steam, hot water, or other indirect heating.
	Storage of Volatile Organic Compounds [LAC 33:III.2103]	Does Not Apply. Vapor pressure of liquid stored is less than 1.5 psia.
47,48,49,68	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	Exempt. Maximum true vapor pressure less than 3.5 kPa.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
47,48,49,68,52,53	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	Does Not Apply. Storage tank was constructed after May 19, 1978
47,48,49,68,52,53 Cont.	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commences after May 18, 1978 and Prior to July 23, 1984. [40 CFR 60.110a]	Does Not Apply. Storage tank was constructed after July 23, 1984.
52,53	NSPS Subpart Kb - Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b] Subchapter F. Gasoline Handling - Filling of Gasoline Storage Vessels [LAC 33:III.2131]	Does Not Apply. Storage capacity is less than 40 m ³ Exempt. Gasoline throughput is less than 120,000 gallons per year and less than 10,000 gallons in any 30-day rolling average.
59	Fugitive Emission Control [LAC 33:III.2121]	Does Not Apply. Facility is not a petroleum refinery, natural gas processing plant, a SOCFI, MTBE, or polymer manufacturing industry. [LAC 33:III.2121.A]

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Evonik Degussa Corp - Ivanhoe Carbon Black Plant

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General Information

AI ID: 2518 Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

ID	Name	User Group	Start Date
2660-00013	Ivanhoe Carbon Black Plant	CDS Number	08-05-2002
7205611	EPA EIS Facility Site ID	EPA EIS Facility Site ID	01-01-2008
63-0673043	Federal Tax ID	Federal Tax ID	11-21-1999
LAD059127357	Ivanhoe Carbon Black Plant	Hazardous Waste Notification	11-07-2007
00081	Degussa Carbon Black	Inactive & Abandoned Sites	01-20-1981
LAD059127357	Ashland Chemical Co Ivanhoe Plant	Inactive & Abandoned Sites	01-20-1981
LA0005827	WPC File Number	LPDES Permit #	06-25-2003
WP1395	WPC State Permit Number	LWDPS Permit #	06-25-2003
GD-101-1974	Ivanhoe Carbon Black Plant	Priority 1 Emergency Site	06-01-2006
12000	SW ID#	Solid Waste Facility No.	04-30-2001
19972	Ashland-Carbon Black	TEMPO Merge	10-08-2007
46770	Degussa Carbon Black Corp Ivanhoe Plant	TEMPO Merge	05-30-2001
48917	Degussa Carbon Black Corp	TEMPO Merge	12-13-2001
7362	Ashland Chemical Co - Carbon Black Plant	TEMPO Merge	11-26-2002
70562SHLND2MILE	Ashland Chemical Co - Ivanhoe Carbon Black Plant	TEMPO Merge	11-26-2002
WQC 030203-05	TRI #	Toxic Release Inventory	07-09-2004
WQC 970716-06	Water Quality Certification #	Water Certification	02-10-2003
	Water Quality Certification #	Water Certification	12-19-2002

Physical Location: 7095 Hwy 83 S
Ivanhoe, LA 70538

Mailing Address: 7095 Hwy 83 S
Franklin, LA 70538

Location of Front Gate: 29.776667 latitude, -91.736111 longitude, Coordinate Method: Lat. Long. - DMS, Coordinate Datum: NAD83

Name	Mailing Address	Phone (Type)	Relationship
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	3379242212 (WP)	Emission Inventory Contact for
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	MATTHEW.CHIASS	TEDI Contact for
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	3379242212 (WP)	Water Billing Party for
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	MATTHEW.CHIASS	Emission Inventory Contact for
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	3379242212 (WP)	TEDI Contact for
Matthew Chiasson	PO Box 9320 New Iberia, LA 705629320	MATTHEW.CHIASS	Water Billing Party for
Damon Denson	PO Box 9320 New Iberia, LA 705629320	3379242202 (WP)	Haz. Waste Billing Party for
Damon Denson	PO Box 9320 New Iberia, LA 705629320	3379242202 (WP)	Air Permit Contact For

General Information
AI ID: 2518 Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Related People:

Name	Mailing Address	Phone (Type)	Relationship
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Damon Denson	PO Box 9320 New Iberia, LA 705629320	3379242202 (W/P)	Responsible Official for
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Related Organizations:

Name	Address	Phone (Type)	Relationship
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Degussa Engineered Carbons LP	PO Box 9320 New Iberia, LA 705629320		Emission Inventory Billing Party
Degussa Engineered Carbons LP	PO Box 9320 New Iberia, LA 705629320		Air Billing Party for
Degussa Engineered Carbons LP	PO Box 9320 New Iberia, LA 705629320		Owns
Degussa Engineered Carbons LP	PO Box 9320 New Iberia, LA 705629320		Operates
Evonik Degussa Corp	7095 Hwy 83 S Franklin, LA 70538	3379242202 (W/P)	Air Billing Party for
Evonik Degussa Corp	7095 Hwy 83 S Franklin, LA 70538	3379242202 (W/P)	Water Billing Party for
Evonik Degussa Corp	7095 Hwy 83 S Franklin, LA 70538	3379242202 (W/P)	Owns
Evonik Degussa Corp	7095 Hwy 83 S Franklin, LA 70538	3379242202 (W/P)	Emission Inventory Billing Party
Evonik Degussa Corp	7095 Hwy 83 S Franklin, LA 70538	3379242202 (W/P)	Operates

NAIC Codes: 325182, Carbon Black Manufacturing

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Ivanhoe Plant						
EQT 0001	09 - Flare 2 - Unit 2 Flare					8760 hr/yr
EQT 0002	10 - Filter 2 - Unit 2 Dryer Exhaust Bag Filter					8760 hr/yr
EQT 0003	12 - Flare 3 - Unit 3 Flare					8760 hr/yr
EQT 0004	19 - Vac 4/5 - Unit 4/5 Utility Vacuum System					8760 hr/yr
EQT 0005	38 - Flare 4 - Unit 4 Flare					8760 hr/yr
EQT 0006	39 - Flare 5 - Unit 5 Flare					8760 hr/yr
EQT 0007	40 - Filter 4 - Unit 4 Dryer Exhaust Bag Filter					8760 hr/yr
EQT 0008	41 - Filter 5 - Unit 5 Dryer Exhaust Bag Filter					8760 hr/yr
EQT 0009	42 - Camb Vac - Cambelt Utility Vacuum System					8760 hr/yr
EQT 0010	43 - Filter 3 - Unit 3 Dryer Exhaust Bag Filter					8760 hr/yr
EQT 0011	44 - Vac No.1 - No. 1 North Utility Vacuum System					8760 hr/yr
EQT 0012	45 - Dryer 4/5 - Unit 4/5 Dryer					8760 hr/yr
EQT 0013	47 - Tank 4 - Tank #4	609000 gallons				8760 hr/yr
EQT 0014	48 - Tank 2 - Tank #2	609000 gallons				8760 hr/yr
EQT 0015	49 - Tank 1 - Tank #1	2.31 million gallons				8760 hr/yr
EQT 0016	52 - Gas Tk - Gasoline Tank - Plant	500 gallons				8760 hr/yr
EQT 0017	53 - Gas Tk - Gasoline Tank - Maintenance	500 gallons				8760 hr/yr
EQT 0018	61 - Vent 2 - Unit 2 Loop Filter Vent					8760 hr/yr
EQT 0019	62 - Vent 3 - Unit 3 Loop Filter Vent					8760 hr/yr
EQT 0020	63 - Vent 4 - Unit 4 Loop Filter Vent					8760 hr/yr
EQT 0021	64 - Vent 5 - Unit 5 Loop Filter Vent					8760 hr/yr
EQT 0022	65 - Trk Vac 2/3 - Unit 2/3 Hopper Truck Loading Vacuum					8760 hr/yr
EQT 0023	66 - Trk Vac 4/5 - Unit 4/5 Hopper Truck Loading Vacuum					8760 hr/yr
EQT 0024	67 - Dryer 2/3 - Unit 2/3 Dryer					8760 hr/yr
EQT 0025	68 - Tank 3 - Tank #3	2.31 million gallons				8760 hr/yr
EQT 0026	15 - Vac 3 - Unit 3 Utility Vacuum System					8760 hr/yr
FUG 0001	59 - Fug - Fugitives					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Ivanhoe Plant							
EQT 0001	09 - Flare 2 - Unit 2 Flare	65.6	94190	5.52		195	1832
EQT 0002	10 - Filter 2 - Unit 2 Dryer Exhaust Bag Filter	142	11240	1.3		97	375
EQT 0003	12 - Flare 3 - Unit 3 Flare	65.6	61490	4.46		195	1832
EQT 0004	19 - Vac 4/5 - Unit 4/5 Utility Vacuum System	136	4100	.8		17	100

INVENTORIES
AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Ivanhoe Plant							
EQT 0005 38	Flare 4 - Unit 4 Flare	65.6	94190	5.52		170	1832
EQT 0006 39	Flare 5 - Unit 5 Flare	65.6	94190	5.52		195	1832
EQT 0007 40	Filter 4 - Unit 4 Dryer Exhaust Bag Filter	45.1	11240	2.3		140	375
EQT 0008 41	Filter 5 - Unit 5 Dryer Exhaust Bag Filter	41.4	11240	2.4		140	375
EQT 0009 42	Camb Vac - Cambell Utility Vacuum System	60	1400	.7		25	90
EQT 0010 43	Filter 3 - Unit 3 Dryer Exhaust Bag Filter	142	11240	1.3		97	375
EQT 0011 44	Vac No.1 - No. 1 North Utility Vacuum System	83	7700	1.4		40	90
EQT 0012 45	Dryer 4/5 - Unit 4/5 Dryer	49	83084	6		150	944
EQT 0013 47	Tank 4 - Tank #4	0	0	57		32	105
EQT 0014 48	Tank 2 - Tank #2	0	0	57		32	105
EQT 0015 49	Tank 1 - Tank #1	0	0	110		32	100
EQT 0016 52	Gas Tk - Gasoline Tank - Plant	0	0	3.4		8	77
EQT 0017 53	Gas Tk - Gasoline Tank - Maintenance	0	0	3.4		8	77
EQT 0018 61	Vent 2 - Unit 2 Loop Filter Vent	31	1000	.83		30.25	300
EQT 0019 62	Vent 3 - Unit 3 Loop Filter Vent	13	1080	1.33		43.25	300
EQT 0020 63	Vent 4 - Unit 4 Loop Filter Vent	31	1000	.83		29.66	300
EQT 0021 64	Vent 5 - Unit 5 Loop Filter Vent	31	1000	.83		36.92	300
EQT 0022 65	Trk Vac 2/3 - Unit 2/3 Hopper Truck Loading Vacuum	60	1400	.7		25	90
EQT 0023 66	Trk Vac 4/5 - Unit 4/5 Hopper Truck Loading Vacuum	60	1400	.7		25	90
EQT 0024 67	Dryer 2/3 - Unit 2/3 Dryer	49	83084	6		195	944
EQT 0025 68	Tank 3 - Tank #3			110		32	105
EQT 0026 15	Vac 3 - Unit 3 Utility Vacuum System	133	4000	.8		54	100
FUG 0001 59	Fug - Fugitives						

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	Flares - Flares
CRG 0002	Common Requirements Group	Bag Filters - Dryer Exhaust Bag Filters
CRG 0003	Common Requirements Group	Vac Systems - Utility Vacuum Systems
CRG 0004	Common Requirements Group	Filter Vents - Loop Filter Vents
CRG 0005	Common Requirements Group	Truck Load Vac - Truck Loading Vacuum

INVENTORIES

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
CRG 0006	Common Requirements Group	Gas Tanks - Gasoline Tanks
CRG 0007	Common Requirements Group	Dryers - Unit Dryers
CRG 0008	Common Requirements Group	Oil Tanks - Carbon Black Oil Tanks
GRP 0003	Equipment Group	CAP (NG only) - Prod CAP (NG only)
GRP 0004	Equipment Group	CAP (NG/Oil) - Prod CAP (NG/Oil)
SCN 0001	Alternate Operating Scenario	Flare 2 (NG only) - Flare 2 (NG only)
SCN 0002	Alternate Operating Scenario	Flare 2 (NG/Oil) - Flare 2 (NG/Oil)
SCN 0003	Alternate Operating Scenario	Flare 3 (NG only) - Flare 3 (NG only)
SCN 0004	Alternate Operating Scenario	Flare 3 (NG/Oil) - Flare 3 (NG/Oil)
SCN 0005	Alternate Operating Scenario	Flare 4 (NG only) - Flare 4 (NG only)
SCN 0006	Alternate Operating Scenario	Flare 4 (NG/Oil) - Flare 4 (NG/Oil)
SCN 0007	Alternate Operating Scenario	Flare 5 (NG only) - Flare 5 (NG only)
SCN 0008	Alternate Operating Scenario	Flare 5 (NG/Oil) - Flare 5 (NG/Oil)
SCN 0009	Alternate Operating Scenario	4/5 Dryer (NG only) - 4/5 Dryer (NG only)
SCN 0010	Alternate Operating Scenario	4/5 Dryer (NG/Oil) - 4/5 Dryer (NG/Oil)
SCN 0011	Alternate Operating Scenario	2/3 Dryer (NG only) - 2/3 Dryer (NG only)
SCN 0012	Alternate Operating Scenario	2/3 Dryer (NG/Oil) - 2/3 Dryer (NG/Oil)
UNF 0001	Unit or Facility Wide	Facility - Ivanhoe Plant

Group Membership:

ID	Description	Member of Groups
EQT 0001	09 - Flare 2 - Unit 2 Flare	CRG000000000001, GRP000000000003, GRP000000000004, SCN000000000001, SCN000000000002
EQT 0002	10 - Filter 2 - Unit 2 Dryer Exhaust Bag Filter	CRG000000000002, GRP000000000003, GRP000000000004
EQT 0003	12 - Flare 3 - Unit 3 Flare	CRG000000000001, GRP000000000003, GRP000000000004, SCN000000000003, SCN000000000004
EQT 0004	19 - Vac 4/5 - Unit 4/5 Utility Vacuum System	CRG000000000003, GRP000000000003, GRP000000000004
EQT 0005	38 - Flare 4 - Unit 4 Flare	CRG000000000001, GRP000000000003, GRP000000000004, SCN000000000005, SCN000000000006
EQT 0006	39 - Flare 5 - Unit 5 Flare	CRG000000000001, GRP000000000003, GRP000000000004, SCN000000000007, SCN000000000008
EQT 0007	40 - Filter 4 - Unit 4 Dryer Exhaust Bag Filter	CRG000000000002, GRP000000000003, GRP000000000004
EQT 0008	41 - Filter 5 - Unit 5 Dryer Exhaust Bag Filter	CRG000000000003, GRP000000000003, GRP000000000004
EQT 0009	42 - Camb Vac - Cambell Utility Vacuum System	CRG000000000003, GRP000000000003, GRP000000000004
EQT 0010	43 - Filter 3 - Unit 3 Dryer Exhaust Bag Filter	CRG000000000002, GRP000000000003, GRP000000000004
EQT 0011	44 - Vac No.1 - No. 1 North Utility Vacuum System	CRG000000000003, GRP000000000003, GRP000000000004
EQT 0012	45 - Dryer 4/5 - Unit 4/5 Dryer	CRG000000000007, GRP000000000003, GRP000000000004, SCN000000000009, SCN000000000010
EQT 0013	47 - Tank 4 - Tank #4	CRG000000000008

INVENTORIES
AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
EQT 0014	48 - Tank 2 - Tank #2	CRG00000000008
EQT 0015	49 - Tank 1 - Tank #1	CRG00000000008
EQT 0016	52 - Gas Tk - Gasoline Tank - Plant	CRG00000000006
EQT 0017	53 - Gas Tk - Gasoline Tank - Maintenance	CRG00000000006
EQT 0018	61 - Vent 2 - Unit 2 Loop Filter Vent	CRG00000000004, GRP00000000003, GRP00000000004
EQT 0019	62 - Vent 3 - Unit 3 Loop Filter Vent	CRG00000000004, GRP00000000003, GRP00000000004
EQT 0020	63 - Vent 4 - Unit 4 Loop Filter Vent	CRG00000000004, GRP00000000003, GRP00000000004
EQT 0021	64 - Vent 5 - Unit 5 Loop Filter Vent	CRG00000000005, GRP00000000003, GRP00000000004
EQT 0022	65 - Tk Vac 2/3 - Unit 2/3 Hopper Truck Loading Vacuum	CRG00000000005, GRP00000000003, GRP00000000004
EQT 0023	66 - Tk Vac 4/5 - Unit 4/5 Hopper Truck Loading Vacuum	CRG00000000007, GRP00000000003, GRP00000000004
EQT 0024	67 - Dryer 2/3 - Unit 2/3 Dryer	SCN0000000012
EQT 0025	68 - Tank 3 - Tank #3	CRG00000000008
EQT 0026	15 - Vac 3 - Unit 3 Utility Vacuum System	CRG00000000003, GRP00000000003, GRP00000000004

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1722	1722 Small Source Permit		
0680	0680 Carbon Black Manufacture (Rated Capacity)	1	MM lbs/yr

SIC Codes:

2895	Carbon black	AI 2518
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Ivanhoe Plant															
EQT 0001 09 - Filer 2		125.39			73.63			2.48			607.29			13.19	
EQT 0002 10 - Filer 2					0.06			0.89			8.01				
EQT 0003 12 - Filer 3		165.79			97.36			3.28			802.99			17.44	
EQT 0004 19 - Vac 4/5								0.02							
EQT 0005 38 - Filer 4		104.31			61.26			2.06			505.23			10.97	
EQT 0006 39 - Filer 5		105.26			61.81			2.08			509.81			11.07	
EQT 0007 40 - Filer 4					0.05			0.74			6.55				
EQT 0008 41 - Filer 5					0.05			0.74			6.55				
EQT 0009 42 - Comb Vac								0.60							
EQT 0010 43 - Filer 3					0.09			1.19			10.93				
EQT 0011 44 - Vac No 1								0.01							
EQT 0012 45 - Dwyer 4/5		93.14			54.70			1.84			451.13			9.80	
EQT 0013 47 - Tank 4													0.14	0.14	0.63
EQT 0014 48 - Tank 2													0.14	0.14	0.63
EQT 0015 49 - Tank 1													0.23	0.23	1.02
EQT 0016 52 - Gas Tk													0.03	0.03	0.14
EQT 0017 53 - Gas Tk													0.04	0.04	0.17
EQT 0018 61 - Vent 2								0.13							
EQT 0019 62 - Vent 3								0.17							
EQT 0020 63 - Vent 4								0.10							
EQT 0021 64 - Vent 5								0.10							
EQT 0022 65 - Trk Vac 2/3								0.30							
EQT 0023 66 - Trk Vac 4/5								0.30							

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

Subject Item	CO			NOX			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Ivanhoe Plant															
EQT 0024 67 - Dryer 2/3		129.41			76.00			2.56			626.79		0.14	13.61	0.63
EQT 0025 68 - Tank 3													0.14	0.14	0.63
EQT 0026 15 - Vac 3								0.02							
FUG 0001 59 - Fug													0.41	0.41	1.79
GRP 0003 CAP (NG only)	253.03		1108.26	297.38		1302.52	11.57		50.66	2500.92		26.61		116.57	
GRP 0004 CAP (NG/Oil)	264.29		1157.59	310.61		1360.47	11.92		52.22	2611.11		27.80		121.76	
SCN 0001 Flare 2 (NG only)		118.55			69.62			2.34		574.19				12.47	
SCN 0002 Flare 2 (NG/Oil)		125.39			73.63			2.48		607.29				13.19	
SCN 0003 Flare 3 (NG only)		161.87			95.06			3.20		783.99				17.03	
SCN 0004 Flare 3 (NG/Oil)		165.79			97.36			3.28		802.99				17.44	
SCN 0005 Flare 4 (NG only)		96.89			56.90			1.91		469.29				10.19	
SCN 0006 Flare 4 (NG/Oil)		104.31			61.26			2.06		505.23				10.97	
SCN 0007 Flare 5 (NG only)		96.89			56.90			1.91		469.29				10.19	
SCN 0008 Flare 5 (NG/Oil)		105.26			61.81			2.08		509.81				11.07	
SCN 0009 4/5 Dryer (NG only)		86.13			50.68			1.70		417.15				9.06	
SCN 0010 4/5 Dryer (NG/Oil)		93.14			54.70			1.84		451.13				9.80	
SCN 0011 2/3 Dryer (NG only)		124.63			73.19			2.46		603.64				13.11	
SCN 0012 2/3 Dryer (NG/Oil)		129.41			76.00			2.56		626.79				13.61	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 09 - Flare 2	Benzene		0.03	
	Carbon disulfide		3.20	
	Carbonyl sulfide		0.50	
	Hydrogen cyanide		0.85	
	Hydrogen sulfide		3.26	
EQT 0003 12 - Flare 3	Benzene		0.04	
	Carbon disulfide		4.23	
	Carbonyl sulfide		0.67	
	Hydrogen cyanide		1.13	
	Hydrogen sulfide		4.31	
EQT 0005 38 - Flare 4	Benzene		0.03	
	Carbon disulfide		2.66	
	Carbonyl sulfide		0.42	
	Hydrogen cyanide		0.71	
	Hydrogen sulfide		2.71	
EQT 0006 39 - Flare 5	Benzene		0.03	
	Carbon disulfide		2.68	
	Carbonyl sulfide		0.42	
	Hydrogen cyanide		0.72	
	Hydrogen sulfide		2.74	
EQT 0012 45 - Drver 4/5	Benzene		0.03	
	Carbon disulfide		2.38	
	Carbonyl sulfide		0.37	
	Hydrogen cyanide		0.63	
	Hydrogen sulfide		2.42	
EQT 0024 67 - Drver 2/3	Benzene		0.03	
	Carbon disulfide		3.30	
	Carbonyl sulfide		0.52	
	Hydrogen cyanide		0.88	
	Hydrogen sulfide		3.37	
GRP 0003 CAP (NG only)	Benzene	0.07		0.30
	Carbon disulfide	6.45		28.26
	Carbonyl sulfide	1.02		4.46

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0003 CAP (NG only)	Hydrogen cyanide	1.72		7.54
	Hydrogen sulfide	6.58		28.83
GRP 0004 CAP (NG/Oil)	Benzene	0.07		0.31
	Carbon disulfide	6.74		29.52
	Carbonyl sulfide	1.06		4.66
	Hydrogen cyanide	1.80		7.88
	Hydrogen sulfide	6.88		30.12
SCN 0001 Flare 2 (NG only)	Benzene		0.03	
	Carbon disulfide		3.02	
	Carbonyl sulfide		0.48	
	Hydrogen cyanide		0.81	
	Hydrogen sulfide		3.08	
SCN 0002 Flare 2 (NG/Oil)	Benzene		0.03	
	Carbon disulfide		3.20	
	Carbonyl sulfide		0.50	
	Hydrogen cyanide		0.85	
	Hydrogen sulfide		3.26	
SCN 0003 Flare 3 (NG only)	Benzene		0.04	
	Carbon disulfide		4.13	
	Carbonyl sulfide		0.65	
	Hydrogen cyanide		1.10	
	Hydrogen sulfide		4.21	
SCN 0004 Flare 3 (NG/Oil)	Benzene		0.04	
	Carbon disulfide		4.23	
	Carbonyl sulfide		0.67	
	Hydrogen cyanide		1.13	
	Hydrogen sulfide		4.31	
SCN 0005 Flare 4 (NG only)	Benzene		0.03	
	Carbon disulfide		2.47	
	Carbonyl sulfide		0.39	
	Hydrogen cyanide		0.66	
	Hydrogen sulfide		2.52	
SCN 0006 Flare 4 (NG/Oil)	Benzene		0.03	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0006 Flare 4 (NG/Oil)	Carbon disulfide		2.66	
	Carbonyl sulfide		0.42	
	Hydrogen cyanide		0.71	
	Hydrogen sulfide		2.71	
SCN 0007 Flare 5 (NG only)	Benzene		0.03	
	Carbon disulfide		2.47	
	Carbonyl sulfide		0.39	
	Hydrogen cyanide		0.66	
	Hydrogen sulfide		2.52	
SCN 0008 Flare 5 (NG/Oil)	Benzene		0.03	
	Carbon disulfide		2.68	
	Carbonyl sulfide		0.42	
	Hydrogen cyanide		0.72	
	Hydrogen sulfide		2.74	
SCN 0009 4/5 Dryer (NG only)	Benzene		0.02	
	Carbon disulfide		2.20	
	Carbonyl sulfide		0.35	
	Hydrogen cyanide		0.59	
	Hydrogen sulfide		2.24	
SCN 0010 4/5 Dryer (NG/Oil)	Benzene		0.03	
	Carbon disulfide		2.38	
	Carbonyl sulfide		0.37	
	Hydrogen cyanide		0.63	
	Hydrogen sulfide		2.42	
SCN 0011 2/3 Dryer (NG only)	Benzene		0.03	
	Carbon disulfide		3.18	
	Carbonyl sulfide		0.50	
	Hydrogen cyanide		0.85	
	Hydrogen sulfide		3.24	
SCN 0012 2/3 Dryer (NG/Oil)	Benzene		0.03	
	Carbon disulfide		3.30	
	Carbonyl sulfide		0.52	
	Hydrogen cyanide		0.88	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0012 2/3 Drver (NG/Oil)	Hydrogen sulfide		3.37	
UNF 0001 Facility	Benzene			0.31
	Carbon disulfide			29.52
	Carbonyl sulfide			4.66
	Hydrogen cyanide			7.88
	Hydrogen sulfide			30.12

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

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Activity Number: PER20090001
Permit Number: 2660-00013-V2
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CRG 0001 Flares - Flares

Group Members: EQT 0001EQT 0003EQT 0005EQT 0006

- 1 [40 CFR 63.1103(f)(3)] Comply with the requirements of 40 CFR 63 Subpart SS. Subpart YY. [40 CFR 63.1103(f)(3)]
- 2 [40 CFR 63.1103(f)(3)] HAP >= 98 % reduction by weight, or HAP <= 20 ppmv, whichever is less stringent. Subpart YY. [40 CFR 63.1103(f)(3)]
Which Months: All Year Statistical Basis: None specified
- 3 [40 CFR 63.1109(a)] Keep copies of notifications, reports and records required by 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY for at least 5 years, unless otherwise specified, except as provided in 40 CFR 63.1109(b). Subpart YY. [40 CFR 63.1109(a)]
- 4 [40 CFR 63.1109(c)] Maintain all records required to be maintained by 40 CFR 63 Subpart YY or a subpart referenced by 40 CFR 63 Subpart YY in such a manner that they can be readily accessed and are suitable for inspection. Retain the most recent 2 years of records onsite or make accessible to an inspector while onsite. The records of the remaining 3 years, where required, may be retained offsite. Subpart YY. [40 CFR 63.1109(c)]
- 5 [40 CFR 63.1109(d)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records containing information developed and used to assess control applicability under 40 CFR 63.1103 (e.g., combined total annual emissions of regulated organic HAP). Subpart YY. [40 CFR 63.1109(d)]
- 6 [40 CFR 63.983(a)(1)] Closed-vent systems: Ensure that each closed-vent system is designed and operated to collect the regulated material vapors from the emission point, and to route the collected vapors to a control device. Subpart SS. [40 CFR 63.983(a)(1)]
- 7 [40 CFR 63.983(a)(2)] Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]
- 8 [40 CFR 63.983(b)(1)(i)(A)] Closed-vent systems (hard-piping): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(i)(A)]
- 9 [40 CFR 63.983(b)(1)(i)(B)] Which Months: All Year Statistical Basis: None specified
Closed-vent systems (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart SS. [40 CFR 63.983(b)(1)(i)(B)]
- 10 [40 CFR 63.983(b)(1)(ii)] Which Months: All Year Statistical Basis: None specified
Closed-vent systems (ductwork): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(ii)]
- 11 [40 CFR 63.983(b)(2)(i)] Which Months: All Year Statistical Basis: None specified
Closed-vent systems (unsafe-to-monitor): Determine that the equipment is unsafe-to-inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR 63.983(b)(1). Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(i)]
- 12 [40 CFR 63.983(b)(2)(ii)] Closed-vent systems (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practical during safe-to-inspect times, at least once annually. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(ii)]
Which Months: All Year Statistical Basis: None specified
- 13 [40 CFR 63.983(b)(3)(i)] Closed-vent systems (difficult-to-monitor): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(i)]

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- 14 [40 CFR 63.983(b)(3)(ii)] Closed-vent systems (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment at least once every 5 years. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(ii)]
- 15 [40 CFR 63.983(d)(1)] Which Months: All Year Statistical Basis: None specified
 Closed-vent systems (hard piping): Eliminate leak, or monitor according to the procedures in 40 CFR 63.983(c), if there are visible, audible, or olfactory indications of leaks at the time of the annual visual inspections required by 40 CFR 63.983(b)(1)(i)(B). Subpart SS. [40 CFR 63.983(d)(1)]
- 16 [40 CFR 63.983(d)(2)] Closed-vent systems: Repair leaks as soon as practical, except as provided in 40 CFR 63.983(d)(3). Make a first attempt at repair no later than 5 days after the leak is detected, and complete repairs no later than 15 days after the leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later. Subpart SS. [40 CFR 63.983(d)(2)]
- 17 [40 CFR 63.983(d)(3)] Closed-vent systems (delay of repair allowed): Repair equipment as soon as practical, but not later than the end of the next closed-vent system shutdown. Subpart SS. [40 CFR 63.983(d)(3)]
- 18 [40 CFR 63.987(a)] Meet the performance requirements in 40 CFR 63.11(b). Subpart SS. [40 CFR 63.987(a)]
- 19 [40 CFR 63.987(b)] Conduct an initial flare compliance assessment that meets the requirements specified in 40 CFR 63.987(b)(3)(i) through (b)(3)(iv). Subpart SS. [40 CFR 63.987(b)]
- 20 [40 CFR 63.987(c)] Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including but not limited to a thermocouple, ultra-violet beam sensor, or infrared sensor) capable of continuously detecting that at least one pilot flame or the flare flame is present. Subpart SS. [40 CFR 63.987(c)]
- 21 [40 CFR 63.998] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
- 22 [40 CFR 63.999(a)(1)(i)] Notify DEQ of the intention to conduct a performance test or flare compliance assessment: Due at least 30 days before such a compliance demonstration is scheduled to allow DEQ the opportunity to have an observer present. Notify DEQ as soon as possible of any delay in the original demonstration date, if after 30 days notice for such an initially scheduled compliance demonstration, there is a delay (due to operational problems, etc.) in conducting the scheduled compliance demonstration. Provide at least 7 days prior notice of the rescheduled date of the compliance demonstration, or arrange a rescheduled date with DEQ by mutual agreement. Subpart SS. [40 CFR 63.999(a)(1)(i)]
- 23 [40 CFR 63.999(a)(1)(ii)] Submit performance test and flare compliance assessment reports, if not submitted as part of a Notification of Compliance Status report, to DEQ within 60 days of completing the test or determination, unless specified differently. Include the information specified in 40 CFR 63.999(a)(2)(i) through (a)(2)(iii). Subpart SS. [40 CFR 63.999(a)(1)(ii)]
- 24 [40 CFR 63.999(a)(1)(iii)] Submit application for a waiver of an initial performance test or flare compliance assessment, as allowed by 40 CFR 63.997(b)(2), no later than 90 days before the performance test or compliance assessment is required. Include information justifying the request for a waiver, such as the technical or economic infeasibility, or the impracticality, of the source performing the test. Subpart SS. [40 CFR 63.999(a)(1)(iii)]

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- 25 [40 CFR 63.999(a)(1)(iv)] Submit application to substitute a prior performance test or compliance assessment for an initial performance test or compliance assessment, as allowed by 40 CFR 63.997(b)(1), no later than 90 days before the performance test or compliance test is required. Include information demonstrating that the prior performance test or compliance assessment was conducted using the same methods specified in 40 CFR 63.997(e) or 40 CFR 63.987(b)(3), as applicable. Also include information demonstrating that no process changes have been made since the test, or that the results of the performance test or compliance assessment reliably demonstrate compliance despite process changes. Subpart SS. [40 CFR 63.999(a)(1)(iv)]
- 26 [40 CFR 63.999(b)] Submit Notification of Compliance Status: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(b)(1) through (b)(5), as applicable. Subpart SS. [40 CFR 63.999(b)]
- 27 [40 CFR 63.999(d)(1)] Submit request for approval to use alternatives to continuous operating parameter monitoring and recordkeeping provisions, as provided for in 40 CFR 63.996(d)(1), as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(1)(i) and (d)(1)(ii). Subpart SS. [40 CFR 63.999(d)(1)]
- 28 [40 CFR 63.999(d)(2)] Submit request for approval to monitor a different parameter than those established in 40 CFR 63.996(c)(6) or to set unique monitoring parameters, as provided for in 40 CFR 63.996(d)(2), as specified as specified in a referencing subpart. Include the information specified in 40 CFR 63.999(d)(2)(i) through (d)(2)(iii). Subpart SS. [40 CFR 63.999(d)(2)]
- 29 [LAC 33-III.1105] Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 30 [LAC 33-III.1105] Which Months: All Year Statistical Basis: None specified
- 31 [LAC 33-III.1503.C] Submit notification: Due to SPOC as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33-III.3923. Notification is required only if the upset cannot be controlled in six hours.
- 32 [LAC 33-III.1503.D.1] Sulfur dioxide <= 2000 ppmv at standard conditions.
- 33 [LAC 33-III.1509] Which Months: All Year Statistical Basis: Three-hour average
- 34 [LAC 33-III.1513.B.2] Determine compliance with the appropriate emission limitation in LAC 33-III.1503.A through 1503.C using the methods listed in LAC 33-III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
- 35 [LAC 33-III.1513.B.3] Control process gas streams by flaring or combustion.
- 36 [LAC 33-III.1513.E] Sulfur recordkeeping by electronic or hard copy continuously. Record the fuel and/or feedstock consumption rate. Also record the input sulfur at the frequencies specified in LAC 33-III.1513.B.2.a and B.2.b.
- 37 [LAC 33-III.1513.E] Fuel rate recordkeeping by electronic or hard copy at the approved frequency. Record the fuel and/or feedstock consumption rate and input sulfur.
- 38 [LAC 33-III.1513.E] Make all compliance data available to a representative of DEQ or the U.S. EPA on request.
- 39 [LAC 33-III.5107.A.2] Submit excess emissions report: Due quarterly in accordance with LAC 33-III. Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.
- 40 [LAC 33-III.5107.A.2] Submit report: Due annually, by the 31st of March, in accordance with LAC 33-III.918. Report data required to demonstrate compliance with the provisions of LAC 33-III. Chapter 15.
- 41 [LAC 33-III.5105.B] Include emissions of all toxic air pollutants listed in LAC 33-III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33-III.5105.B.

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40 [LAC 33:III.5109.A.1]

Compliance with NESHAP 40 CFR 63 Subpart YY has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

CRG 0002 Bag Filters - Dryer Exhaust Bag Filters

Group Members: EQT 0002EQT 0007EQT 0008EQT 0010

41 [LAC 33:III.501.C.6]

Particulate matter (10 microns or less) >= 99.99 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

42 [LAC 33:III.501.C.6]

Filter vents: Opacity <= 20 percent average of the shade or appearance of the emission during the first ninety seconds of startup of a unit routed to the filter and for one minute following the installation of new bags or the cleaning of existing bags.

Which Months: All Year Statistical Basis: None specified

43 [LAC 33:III.507.H.1.a]

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of inspections and maintenance activities on site for a period of at least five years and available for inspection by the Office of Environmental Compliance.

44 [LAC 33:III.507.H.1.a]

Filter vents: Opacity monitored by technically sound method upon occurrence of event. Monitor during the first ninety seconds of startup of a unit routed to the filter and for one minute following the installation of new bags or the cleaning of existing bags by either a Continuous Monitoring System (COMS) that meets the requirements of 40 CFR 60 Appendix B Performance Specification 1, a qualified, certified visible emissions inspector, in accordance with 40 CFR 60 Appendix A Method 9, or 40 CFR 60 Appendix A Method 22, if the emission point generally exhibits no visible emissions. If Method 22 is used, perform an opacity reading according to 40 CFR 60 Appendix A Method 9 within 1 hour, if visible emissions are present at greater than fifteen percent opacity. Ensure that the BMP plan specifies when opacity readings will be taken in lieu of no visible emissions and the frequency at which readings of percent opacity will be taken.

Which Months: All Year Statistical Basis: None specified

45 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, return the filter to compliance as expeditiously as practicable, but at a maximum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

46 [LAC 33:III.507.H.1.a]

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever a visible emissions check indicates maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

47 [LAC 33:III.507.H.1.a]

Filter vents: Equipment/operational data recordkeeping by electronic or hard copy daily. Keep the purchase order or manufacturer certification showing that the installed filters meet the Manufacturer's specification for particulate matter removal efficiency or the filter MERV rating, as applicable; records of visible emissions checks or differential pressure gauge readings, as applicable; and records of maintenance activities. Keep records on site for a period of at least five years and available for review by the Office of Environmental Compliance.

CRG 0003 Vac Systems - Utility Vacuum Systems

Group Members: EQT 0004EQT 0009EQT 0011EQT 0026

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CRG 0003 Vac Systems - Utility Vacuum Systems

- 48 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) >= 99.9 % removal efficiency from filter manufacturer's certification.
Which Months: All Year Statistical Basis: None specified
- 49 [LAC 33:III.501.C.6] Filter vents: Opacity <= 20 percent average of the shade or appearance of the emission for one minute following the installation of new bags.
Which Months: All Year Statistical Basis: None specified
- 50 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, return the filter to compliance as expeditiously as practicable, but at a maximum within three working days, in accordance with good air pollution control practices for minimizing emissions.
Which Months: All Year Statistical Basis: None specified
- 51 [LAC 33:III.507.H.1.a] Bag filters: Equipment/operational data monitored by technically sound method semiannually or whenever a visible emissions check indicates maintenance may be necessary. Change elements as necessary.
Which Months: All Year Statistical Basis: None specified
- 52 [LAC 33:III.507.H.1.a] Filter vents: Opacity monitored by technically sound method upon occurrence of event. Monitor for one minute following the installation of new bags by either a Continuous Monitoring System (COMS) that meets the requirements of 40 CFR 60 Appendix B Performance Specification 1. a qualified, certified visible emissions inspector, in accordance with 40 CFR 60 Appendix A Method 9, or 40 CFR 60 Appendix A Method 22, if the emission point generally exhibits no visible emissions. If Method 22 is used, perform an opacity reading according to 40 CFR 60 Appendix A Method 9 within 1 hour, if visible emissions are present at greater than fifteen percent opacity.
Which Months: All Year Statistical Basis: None specified
- 53 [LAC 33:III.507.H.1.a] Filter vents: Equipment/operational data recordkeeping by electronic or hard copy daily. Keep the purchase order or manufacturer certification showing that the installed filters meet the Manufacturer's specification for particulate matter removal efficiency or the filter MERV rating, as applicable; records of visible emissions checks or differential pressure gauge readings, as applicable; and records of maintenance activities. Keep records on site for a period of at least five years and available for review by the Office of Environmental Compliance.
- 54 [LAC 33:III.507.H.1.a] Bag filters: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of inspections and maintenance activities on site for a period of at least five years and available for inspection by the Office of Environmental Compliance.

CRG 0004 Filter Vents - Loop Filter Vents

- Group Members: EQT 0019EQT 0019EQT 0020EQT 0021
- 55 [LAC 33:III.501.C.6] Filter vents: Opacity <= 20 percent average of the shade or appearance of the emission for one minute following the installation of new bags.
Which Months: All Year Statistical Basis: None specified
- 56 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) >= 99.9 % removal efficiency from filter manufacturer's certification.
Which Months: All Year Statistical Basis: None specified
- 57 [LAC 33:III.507.H.1.a] Bag filters: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of inspections and maintenance activities on site for a period of at least five years and available for inspection by the Office of Environmental Compliance.

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CRG 0004 Filter Vents - Loop Filter Vents

58 [LAC 33:III.507.H.1.a]

Bag filters: Equipment/operational data monitored by technically sound method semiannually or whenever a visible emissions check indicates maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

59 [LAC 33:III.507.H.1.a]

Filter vents: Equipment/operational data recordkeeping by electronic or hard copy daily. Keep the purchase order or manufacturer certification showing that the installed filters meet the Manufacturer's specification for particulate matter removal efficiency or the filter MERV rating, as applicable; records of visible emissions checks or differential pressure gauge readings, as applicable; and records of maintenance activities.

Keep records on site for a period of at least five years and available for review by the Office of Environmental Compliance.

60 [LAC 33:III.507.H.1.a]

Filter vents: Opacity monitored by technically sound method upon occurrence of event. Monitor for one minute following the installation of new bags by either a Continuous Monitoring System (COMS) that meets the requirements of 40 CFR 60 Appendix B Performance Specification 1, a qualified, certified visible emissions inspector, in accordance with 40 CFR 60 Appendix A Method 9, or 40 CFR 60 Appendix A Method 22, if the emission point generally exhibits no visible emissions. If Method 22 is used, perform an opacity reading according to 40 CFR 60 Appendix A Method 9 within 1 hour, if visible emissions are present at greater than fifteen percent opacity.

Which Months: All Year Statistical Basis: None specified

61 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, return the filter to compliance as expeditiously as practicable, but at a maximum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

CRG 0005 Truck Load Vac - Truck Loading Vacuum

Group Members: EQT 0022EQT 0023

62 [LAC 33:III.501.C.6]

Particulate matter (10 microns or less) \geq 99.9 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

63 [LAC 33:III.501.C.6]

Filter vents: Opacity \leq 20 percent average of the shade or appearance of the emission for one minute following the installation of new bags.

Which Months: All Year Statistical Basis: None specified

64 [LAC 33:III.507.H.1.a]

Filter vents: Opacity monitored by technically sound method upon occurrence of event. Monitor for one minute following the installation of new bags by either a Continuous Monitoring System (COMS) that meets the requirements of 40 CFR 60 Appendix B Performance Specification 1, a qualified, certified visible emissions inspector, in accordance with 40 CFR 60 Appendix A Method 9, or 40 CFR 60 Appendix A Method 22, if the emission point generally exhibits no visible emissions. If Method 22 is used, perform an opacity reading according to 40 CFR 60 Appendix A Method 9 within 1 hour, if visible emissions are present at greater than fifteen percent opacity.

Which Months: All Year Statistical Basis: None specified

65 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, return the filter to compliance as expeditiously as practicable, but at a maximum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

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CRG 0005 Truck Load Vac - Truck Loading Vacuum

- 66 [LAC 33:III.507.H.1.a] Filter vents: Equipment/operational data recordkeeping by electronic or hard copy daily. Keep the purchase order or manufacturer certification showing that the installed filters meet the Manufacturer's specification for particulate matter removal efficiency or the filter MERV rating, as applicable; records of visible emissions checks or differential pressure gauge readings, as applicable; and records of maintenance activities. Keep records on site for a period of at least five years and available for review by the Office of Environmental Compliance.
- 67 [LAC 33:III.507.H.1.a] Bag filters: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of inspections and maintenance activities on site for a period of at least five years and available for inspection by the Office of Environmental Compliance.
- 68 [LAC 33:III.507.H.1.a] Bag filters: Equipment/operational data monitored by technically sound method semiannually or whenever a visible emissions check indicates maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified

CRG 0006 Gas Tanks - Gasoline Tanks

Group Members: EQT 0016EQT 0017

- 69 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 70 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 71 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

CRG 0007 Dryers - Unit Dryers

Group Members: EQT 0012EQT 0024

- 72 [40 CFR 63.1103(f)(3)] HAP >= 98 % reduction by weight, or HAP <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]
 Which Months: All Year Statistical Basis: None specified
- 73 [40 CFR 63.1109(a)] Keep copies of notifications, reports and records required by 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY for at least 5 years, unless otherwise specified, except as provided in 40 CFR 63.1109(b). Subpart YY. [40 CFR 63.1109(a)]
- 74 [40 CFR 63.1109(c)] Maintain all records required to be maintained by 40 CFR 63 Subpart YY or a subpart referenced by 40 CFR 63 Subpart YY in such a manner that they can be readily accessed and are suitable for inspection. Retain the most recent 2 years of records onsite or make accessible to an inspector while onsite. The records of the remaining 3 years, where required, may be retained offsite. Subpart YY. [40 CFR 63.1109(c)]
- 75 [40 CFR 63.1109(d)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records containing information developed and used to assess control applicability under 40 CFR 63.1103 (e.g., combined total annual emissions of regulated organic HAP). Subpart YY. [40 CFR 63.1109(d)]

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CRG 0007 Dryers - Unit Dryers

- 76 [LAC 33:III.1503.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide <= 2000 ppmv at standard conditions.
 Which Months: All Year Statistical Basis: Three-hour average
- 77 [LAC 33:III.1503.C] Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
 Control process gas streams by flaring or combustion.
- 78 [LAC 33:III.1503.C] Sulfur dioxide <= 2000 ppmv at standard conditions.
 Which Months: All Year Statistical Basis: Three-hour average
- 79 [LAC 33:III.1503.D.1] Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
 Control process gas streams by flaring or combustion.
- 80 [LAC 33:III.1509] Sulfur recordkeeping by electronic or hard copy continuously. Record the fuel and/or feedstock consumption rate. Also record the input sulfur at the frequencies specified in LAC 33:III.1513.B.2.a and B.2.b.
- 81 [LAC 33:III.1513.B.2] Fuel rate recordkeeping by electronic or hard copy at the approved frequency. Record the fuel and/or feedstock consumption rate and input sulfur.
- 82 [LAC 33:III.1513.B.3] Make all compliance data available to a representative of DEQ or the U.S. EPA on request.
- 83 [LAC 33:III.1513.E] Submit excess emissions report: Due quarterly in accordance with LAC 33:I.Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.
- 84 [LAC 33:III.1513.E] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.
- 85 [LAC 33:III.1513.E] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 86 [LAC 33:III.5107.A.2] Compliance with NESHAP 40 CFR 63 Subpart YY has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.
- 87 [LAC 33:III.5109.A.1]

GRP 0003 CAP (NG only) - Prod CAP (NG only)

- Group Members: EQT 0020EQT 0021EQT 0022EQT 0023EQT 0024EQT 0026EQT 0001EQT 0002EQT 0003EQT 0004EQT 0005EQT 0006EQT 0007EQT 0008EQT 0009EQT 0010EQT 0011EQT 0012EQT 0018EQT 0019
- 88 [LAC 33:III.501.C.6] Carbon black production <= 350 million pounds. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the total production of carbon black exceeds the maximum listed in this specific condition for any twelve consecutive month period.

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

GRP 0003 CAP (NG only) - Prod CAP (NG only)

- 89 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test of 50% of the process units (Units 2 and 3 or Units 4 and 5): Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity under Scenario 1. Test the tailgas outlet of Primary Bag Filters (PDF) utilizing ASTM D1946. Testing shall be conducted prior to the tailgas stream splitting to each unit's respective flares and dryer. Use Methods 1-4 to test the tailgas stream after the stream splits to the units' respective flares and dryers to determine the stream's flow rate to each device.
Submit report: Due within 60 days after performance/emissions tests. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 90 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test of either Unit 2/3 Dryer Stack or Unit 4/5 Dryer Stack: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity under Scenario 1. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 15 - Determination of Hydrogen Sulfide, Carbonyl Sulfide and Carbon Disulfide Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment.
Submit report: Due annually, by the 31st of March. Report the carbon black production for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.
Carbon black production recordkeeping by electronic or hard copy monthly. Keep records of the total carbon black production each month, as well as the total carbon black production for the last twelve months. Make records available for inspection by DEQ personnel.
Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emissions testing. If Units 2 and 3 are to be stack tested, then the Unit 2/3 Dryer Stack is to be stack tested at the same time. If Units 4 and 5 are to be stack tested, then the Unit 4/5 Dryer Stack is to be stack tested at the same time.
Carbon black production monitored by technically sound method as appropriate.
The permittee shall analyze the sulfur content of the carbon black feedstock oil. A summary of these analyses shall be submitted by March 31 for the preceding calendar year. The permittee shall continuously monitor and record the carbon black oil feed rate to the facility. These records shall be kept on site and available for inspection by the Office of Environmental Compliance. The permittee shall not process the carbon black oil feed rate so as to exceed the total sulfur loading to the facility equal to 2,739 lbs/hr and 11,522 tons/year. Sulfur loading rates above those listed in this specific condition shall be a violation of this permit and must be reported to the Office of Environmental Compliance. [PSD-LA-585 (M-1)].
- 91 [LAC 33:III.507.H.1.a]
- 92 [LAC 33:III.507.H.1.a]
- 93 [LAC 33:III.507.H.1.a]
- 94 [LAC 33:III.507.H.1.a]
- 95 [LAC 33:III.507.H.1.a]
- 96 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

GRP 0003 CAP (NG only) - Prod CAP (NG only)

97 [LAC 33:III.509]

The permittee shall process feedstock with a sulfur content of 4% or less by weight (annual average) in the four production units (2-5). Exceedance of the sulfur content limit of feedstock to the reactors shall be a violation of this permit and must be reported to the Air Quality Division. Records of the sulfur content of the feedstock oil shall be used to verify these limits. [PSD-LA-585 (M-1)].

GRP 0004 CAP (NG/Oil) - Prod CAP (NG/Oil)

Group Members: EQT 0020EQT 0021EQT 0022EQT 0023EQT 0024EQT 0026EQT 0001EQT 0002EQT 0003EQT 0004EQT 0005EQT 0006EQT 0007EQT 0008EQT 0009EQT 0010EQT 0011EQT 0012EQT 0018EQT 0019

98 [LAC 33:III.501.C.6]

Carbon black production \leq 350 million pounds. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if the total production of carbon black exceeds the maximum listed in this specific condition for any twelve consecutive month period.

99 [LAC 33:III.507.H.1.a]

Submit report: Due annually, by the 31st of March. Report the carbon black production for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.

100 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions tests. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

101 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test of 50% of the process units (Units 2 and 3 or Units 4 and 5): Due within five years, plus or minus 6 months, of when the previous performance test was performed, within 180 days after the issuance of a permit renewal, or when Scenario 2 is used or is projected to be used for 60 consecutive days in a year, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test the tailgas outlet of Primary Bag Filters (PDF) utilizing ASTM D1946. Testing shall be conducted prior to the tailgas stream splitting to each unit's respective flares and dryer. Use Methods 1-4 to test the tailgas stream after the stream splits to the units' respective flares and dryers to determine the stream's flow rate to each device.

102 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emissions testing. If Units 2 and 3 are to be stack tested, then the Unit 2/3 Dryer Stack is to be stack tested at the same time. If Units 4 and 5 are to be stack tested, then the Unit 4/5 Dryer Stack is to be stack tested at the same time.

103 [LAC 33:III.507.H.1.a]

Carbon black production monitored by technically sound method as appropriate.

104 [LAC 33:III.507.H.1.a]

Carbon black production recordkeeping by electronic or hard copy monthly. Keep records of the total carbon black production each month, as well as the total carbon black production for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
Permit Number: 2660-00013-V2
Air - Title V Regular Permit Renewal

GRP 0004 CAP (NG/Oil) - Prod CAP (NG/Oil)

- 105 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test of either Unit 2/3 Dryer Stack or Unit 4/5 Dryer Stack: Due within five years, plus or minus 6 months, of when the previous performance test was performed, within 180 days after the issuance of a permit renewal, or when Scenario 2 is used or is projected to be used for 60 consecutive days in a year, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 15 - Determination of Hydrogen Sulfide, Carbonyl Sulfide and Carbon Disulfide Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment.
- 106 [LAC 33:III.509] The permittee shall analyze the sulfur content of the carbon black feedstock oil. A summary of these analyses shall be submitted by March 31 for the preceding calendar year. The permittee shall continuously monitor and record the carbon black oil feed rate to the facility. These records shall be kept on site and available for inspection by the Office of Environmental Compliance. The permittee shall not process the carbon black oil feed rate so as to exceed the total sulfur loading to the facility equal to 2,892 lbs/hr and 12,035 tons/year. Sulfur loading rates above those listed in this specific condition shall be a violation of this permit and must be reported to the Office of Environmental Compliance. [PSD-LA-585 (M-1)].
- 107 [LAC 33:III.509] The permittee shall process feedstock with a sulfur content of 4% or less by weight (annual average) in the four production units (2-5). Exceedance of the sulfur content limit of feedstock to the reactors shall be a violation of this permit and must be reported to the Air Quality Division. Records of the sulfur content of the feedstock oil shall be used to verify these limits. [PSD-LA-585 (M-1)].

UNF 0001 Facility - Ivanhoe Plant

- 108 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 109 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 110 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 111 [40 CFR 63.1108(a)(1)] Comply with the emission limitations and established parameter ranges at all times except during periods of startup, shutdown, malfunction, or non-operation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which 40 CFR 63 Subpart YY applies, except as specified in 40 CFR 63.1108(a)(2). Subpart YY. [40 CFR 63.1108(a)(1)]
- 112 [40 CFR 63.1108(a)(1)] If a startup, shutdown, malfunction or period of non-operation of one portion of an affected source does not affect the ability of a particular emission point to comply with the specific provisions to which it is subject, then that emission point shall still be required to comply with the applicable provisions of 40 CFR 63 Subpart YY and any of the subparts that are referenced by 40 CFR 63 Subpart YY during startup, shutdown, malfunction, or period of non-operation. Subpart YY. [40 CFR 63.1108(a)(1)]
- 113 [40 CFR 63.1108(a)(2)] Comply with the equipment leak requirements at all times except during periods of startup, shutdown, malfunction, process unit shutdown, or non-operation of the affected source (or specific portion thereof) in which the lines are drained and depressurized resulting in cessation of the emissions to which equipment leak requirements apply. Subpart YY. [40 CFR 63.1108(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

UNF 0001 Facility - Ivanhoe Plant

- 114 [40 CFR 63.1108(a)(5)] Implement, to the extent reasonably available, measures to prevent or minimize excess emissions during startups, shutdowns, and malfunctions. Identify the measures to be taken in the startup, shutdown, and malfunction plan (if applicable). Subpart YY. [40 CFR 63.1108(a)(5)]
- 115 [40 CFR 63.1108(a)(6)] Correct malfunctions as soon as practical after their occurrence. Subpart YY. [40 CFR 63.1108(a)(6)]
- 116 [40 CFR 63.1110(e)] Submit Periodic Reports: Due no later than 60 days after the end of each 6-month period. The first report shall cover the 6-month period after the Notification of Compliance Status report is due. Submit the first report no later than the last day of the month that includes the date 8 months (6 months and 60 days) after the Notification of Compliance Status report is due. Include all information specified in 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY. Subpart YY. [40 CFR 63.1110(e)]
- 117 [40 CFR 63.1111(a)(2)] Operate and maintain the affected source (including associated air pollution control equipment and CPMS) in a manner consistent with safety and good air pollution control practices for minimizing emissions to the extent practical. Subpart YY. [40 CFR 63.1111(a)(2)]
- 118 [40 CFR 63.1111(a)(5)] Revise the startup, shutdown, and malfunction plan within 45 days after an event to include detailed procedures for operating and maintaining the affected source during similar malfunction events and a program of corrective action for similar malfunctions of process or air pollution control equipment or CPMS, if the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the plan was developed. Subpart YY. [40 CFR 63.1111(a)(5)]
- 119 [40 CFR 63.1111(b)(1)] If actions during a startup, shutdown, and malfunction of an affected source, or of a control device or monitoring system required for compliance (including actions taken to correct a malfunction) are consistent with the procedures specified in the plan, state such information in a startup, shutdown, and malfunction report. Submit the startup, shutdown, and malfunction report by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate), unless the information is submitted with the Periodic Report. Include the information specified in 40 CFR 63.1111(b)(1)(i) through (b)(1)(iv). Subpart YY. [40 CFR 63.1111(b)(1)]
- 120 [40 CFR 63.1111(b)(2)] Any time an action taken during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) during which excess emissions occur is not consistent with the procedures specified in the affected source's plan, report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan, followed by a letter delivered or postmarked within 7 working days after the end of the event. Include in the immediate report the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred. Subpart YY. [40 CFR 63.1111(b)(2)]
- 121 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 122 [40 CFR 82 Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 123 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 124 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 125 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 126 [LAC 33:III.2113.A.] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant
Activity Number: PER20090001
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UNF 0001 Facility - Ivanhoe Plant

- 127 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 128 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 129 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 130 [LAC 33:III.507.G.5] Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. Comply with the requirements of PSD-LA-585(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-585(M-1).
- 132 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 133 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 134 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 135 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 136 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 137 [LAC 33:III.5107.A] Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 138 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 139 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

SPECIFIC REQUIREMENTS

AI ID: 2518 - Evonik Degussa Corp - Ivanhoe Carbon Black Plant

Activity Number: PER20090001

Permit Number: 2660-00013-V2

Air - Title V Regular Permit Renewal

UNF 0001 Facility - Ivanhoe Plant

- 140 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
- 141 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 142 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 143 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 144 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 145 [LAC 33:III.561.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 146 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 147 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.